

ABSTRACT OF THE INVENTION

The transmitter of the present invention calculates a first integrity check value of the MSDU and fragments it into several MPDUs before transmitting it to the receiver in sequence. The receiver firstly calculate a
5 second integrity check value from these MPDUs in sequence by a computing unit, and verifies the integrity of the received MSDU by checking if the first integrity check value is equal to the second integrity check value. If the first integrity check value is equal to the second integrity check value, a CPU shall reassemble these MPDU into the
10 MSDU.